

Authors

Frank W. Chambers

Research Division, Thomas J. Watson Research Center, Yorktown Heights, New York.

Physics (Georgia Institute of Technology). Engaged in X-ray diffraction research from 1946 at Texaco, Inc. and since 1954 at IBM. Contributions include instrumentation related to diffraction. Mr. Chambers is currently a Research Staff Member, Solid State Science.

F. Leighs Church

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Mathematics (B.A., San Jose State College, 1961). Joined IBM Research (San Jose) in 1961. Has been engaged in planning data processing systems. Mr. Church is currently an Associate Mathematician, Advanced Computer Technology.

Henderson Cole

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Physics (Ph.D., Massachusetts Institute of Technology, 1952). Fulbright scholar (College de France, 1952-3). Instructor in Physics, MIT (1953-55). Fields of interest: x-ray diffraction, thermal motion of atoms, and perfect crystal diffraction theory. Mr. Cole joined IBM Research in 1955 and is currently a Research Staff Member, Solid State Science.

Bernard Dimsdale

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Mathematics (Ph.D., University of Minnesota, 1940). Faculty member, Universities of Minnesota, Idaho and Purdue. Aberdeen Proving Ground, Raytheon Manufacturing Company. Joined IBM 1956: Manager, Systems Programming, Project Mercury; Manager, Los Angeles Data Processing Center, Service Bureau Corporation. Presently Manager, Systems Simulation.

Richard T. Dorrance

IBM France, Research and Development, La Gaude, France.

Mathematics, Anthropology, Languages (B.A., University of Arizona, 1955). Joined IBM in 1957. Co-designer of the 7090 Commercial Translator, managed design of 7090/7094 COBOL. Presently Assistant Manager, Programming and Systems Development, Centre d'études et Recherches, La Gaude, France.

Horace P. Flatt

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Mathematics (Ph.D., Rice Institute, 1958). At Aberdeen Proving Ground, Ramo-Wooldridge Corporation and American Aviation, Inc. prior to joining IBM in 1961 as Special Representative, Industry Marketing. Mr. Flatt is currently on Scientific Marketing staff.

John S. Griffin, Jr.

General Products Division, Product Development Laboratory, Endicott, New York.

Physics (B.S., Alabama Polytechnic Institute, 1950), Mathematics (Ph.D., Tulane University, 1955). Instructor in Mathematics, University of Michigan (1955-1959). Mr. Griffin joined the Product Development Laboratory in 1959 and is now an Advisory Mathematician, Advanced Technology.

John E. Griffith

Research Division, Thomas J. Watson Research Center, Yorktown Heights, New York.

Electrical Engineering (B.S., University of California, 1950). Came to IBM in 1954. Participated in planning large-scale computers including the 709 and 7030. Received the IBM Distinguished Invention Award, 1963, as co-inventor of indirect addressing. Presently a member of the Technical Advisory Staff of the IBM Director of Research.

Raynard A. Hedberg

Data Systems Division, Programming Systems, Los Angeles, California.

Mathematics (B.S., University of Wisconsin, 1957). Systems Programmer at Lockheed Missiles and Space Division. At IBM since 1959. Designed and programmed the original versions of 709/7090 IOCS and IBSYS. Co-authored 709/7090 Commercial Translator Loader. Project manager 7090/94 IBLDR. Mr. Hedberg is now a Development Programmer.

John H. King, Jr.

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Electrical Engineering (B.S., Newark College of Engineering, 1955). Junior Engineer, ITT Federal Laboratory. Came to IBM in 1960 as an Associate Engineer. Investigations of speech recognition, miniaturized circuitry, convective heat transfer in high density circuits, and now general pattern recognition phenomena. Mr. King is a Senior Associate Engineer, Advanced Technology.

Ray A. Lerner

Data Systems Division, Programming Systems, Poughkeepsie, New York.

Mathematics (B.A., Rice Institute, 1953). Joined IBM Programming Research in 1957. Coordinated FORTRAN and monitor projects for 704/709/7090. Contributed to the design of IBFTC, IBSYS, and IBJOB. Presently Manager of FORTRAN Development, Advanced Programming Systems.

Yoshiharu Okaya

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Physical chemistry (Ph.D., University of Osaka, 1956). Associate Professor of Physics, Pennsylvania State University (1958-1961). Research: crystal structure analyses. Mr. Okaya came to IBM in 1961 and is now a Research Staff Member, Solid State Science.

Edgar C. Smith, Jr.

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Mathematics (Ph.D., Brown University, 1955). Member mathematics faculties, University of Oregon, University of Utah. Joined IBM 1955: Applied Science Representative, San Francisco; Applied Science Manager, Santa Monica; University Program Field Manager. Presently Manager, Advanced Education Systems, Market Development and assigned to San Jose.

Cyril J. Tunis

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Physics (M.S., McGill University; Ph.D., Manchester University, 1958). At Product Development Laboratory since 1958. Work in data flow planning of printer systems, electrical technology and pattern recognition. Presently Mr. Tunis is a Development Engineer, Advanced Technology.

Bernard I. Witt

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Mathematics (M.A., University of Wisconsin, 1951). Mathematician, National Security Agency, 1951-1960. At IBM since 1960: Manager, Systems Support, Project Mercury and now Manager, Control Program Development, Data Systems Division, Poughkeepsie, New York.

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IBM Israel, Tel Aviv, Israel.

Mathematical Statistics (M.A., University of California, 1958). Information retrieval research at IBM from 1958 until returning to Israel in 1959 as member of governmental computer group. Rejoined IBM in 1962 as Systems Engineer. Presently University Programs Coordinator and Scientific Marketing Adviser.